

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Amended) A production profile determination and modification system, comprising:

a logging system having a logging tool;

a downhole unit operable to house the logging tool, ~~and~~ to selectively secure a ~~retrievable~~ fluid barrier within a wellbore casing and to disengage the fluid barrier during use of the logging tool at a downhole location above the fluid barrier; and

a deployment system operable to deploy the downhole unit in the wellbore casing.

2. (Original) The system as recited in claim 1, further comprising the fluid barrier.

3. (Original) The system as recited in claim 2, wherein the fluid barrier is a retrievable bridge plug.

4. (Original) The system as recited in claim 1, wherein the logging system is operable to identify oil, gas, and water bearing strata.

5. (Original) The system as recited in claim 1, wherein the logging system is operable to identify relative percentages of oil, water, and gas in wellbore fluid at a downhole location.

6. (Original) The system as recited in claim 1, wherein the logging system is operable to identify flow rates of oil, water, and gas at a downhole location.

7. (Original) The system as recited in claim 1, wherein the logging system comprises a data acquisition system.

8. (Original) The system as recited in claim 7, wherein the logging system comprises a wireline operable to transmit data from the logging tool to the data acquisition system.

9. (Original) The system as recited in claim 8, wherein the logging tool is raised and lowered relative to the housing by the wireline.

10. (Original) The system as recited in claim 1, wherein the downhole unit comprises an artificial lift device to induce fluid flow in wellbore fluids downhole.

11. (Original) The system as recited in claim 1, wherein the deployment system comprises a coupling member secured to the downhole unit and to a surface structure.

12. (Original) The system as recited in claim 11, wherein the coupling member comprises a wireline.

13. (Original) The system as recited in claim 1, wherein the logging tool is lowered from the downhole unit to log data.

14. (Amended) A downhole system for facilitating measurement of fluid parameters in a wellbore, comprising:

a downhole tool, comprising:

a well logging tool;

a fluid barrier;

a first portion operable to house the a well logging tool; and

a second portion operable to selectively secure the ~~a retrievable~~ fluid barrier to a wellbore casing, the second portion further being operable to disengage from the fluid barrier while the fluid barrier is secured to the wellbore casing, enabling operation of the logging tool uphole from the fluid barrier.

15. (Original) The downhole system as recited in claim 14, wherein the downhole tool is adapted to enable the well logging tool to be positioned relative to the first portion.

16. (Original) The downhole system as recited in claim 15, wherein the second portion is adapted to enable a portion of the well logging tool to be disposed through the second portion.

17. (Original) The downhole system as recited in claim 16, wherein the downhole system comprises an artificial lift device operable to induce fluid flow in the wellbore.

18. (Original) The downhole system as recited in claim 14, wherein the well logging tool is raised and lowered relative to the downhole tool by a wireline.

19. (Original) The downhole system as recited in claim 18 , wherein the downhole tool has a side door to enable the wireline to pass into the first portion of the downhole tool.

20. (Original) The downhole system as recited in claim 14, further comprising the well logging tool.

21. (Original) The downhole system as recited in claim 20, wherein the well logging tool is operable to identify oil, gas, and water bearing strata.

22. (Original) The downhole system as recited in claim 16, wherein the well logging tool is operable to measure percentages of oil, water, and gas in wellbore fluid at a downhole location.

23. (Original) The downhole system as recited in claim 16, wherein the well logging tool is operable to measure fluid velocity at a downhole location.

24. (Original) The downhole system as recited in claim 16, wherein the first portion comprises a downhole lubricator adapted to house the well logging device.

25. (Original) The downhole system as recited in claim 24, wherein the second portion comprises an overshot secured to the downhole lubricator.

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